

FILE 'HOME' ENTERED AT 14:31:42 ON 06 MAY 2008

=> index bioscience

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 14:32:23 ON 06 MAY 2008

69 FILES IN THE FILE LIST IN STINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> s array### (s) (porous or pore# or channel###)

2	FILE ADISCTI
5	FILE ADISINSIGHT
110	FILE AGRICOLA
465	FILE ANABSTR
241	FILE ANTE
65	FILE AQUALINE
560	FILE AQUASCI
541	FILE BIOENG
1033	FILE BIOSIS
612	FILE BIOTECHABS
612	FILE BIOTECHDS
315	FILE BIOTECHNO
269	FILE CABA
6824	FILE CAPLUS
243	FILE CEABA-VTB
17	FILE CIN
64	FILE CONFSCI
6	FILE CROPU
17	FILE DDFU
3155	FILE DGENE
1326	FILE DISSABS
46	FILE DRUGU
29	FILE EMBAL
1093	FILE EMBASE
1344	FILE ESBIODASE
19	FILE FROSTI
43	FILE FSTA
34	FILES SEARCHED...
71	FILE GENBANK
15	FILE HEALSARE
21920	FILE IFIPAT
3	FILE IMSDRUGNEWS
3	FILE IMSRESEARCH
13	FILE KOSMET
739	FILE LIFESCI
1286	FILE MEDLINE
1530	FILE NTIS
1	FILE NUTRACEUT
249	FILE OCEAN
6177	FILE PASCAL
1	FILE PHAR
1	FILE PHARMAML

42 FILE PHIN
 13166 FILE PROMT
 70 FILE RDISCLOSURE
 5064 FILE SCISEARCH
 372 FILE TOXCENTER
 185 FILE USGENE
 77250 FILE USPATFULL
 2124 FILE USPATOLD
 16886 FILE USPAT2
 4 FILE VETU
 194 FILE WATER
 9112 FILE WPIDS
 67 FILES SEARCHED...
 236 FILE WPIFV
 9112 FILE WPINDEX

55 FILES HAVE ONE OR MORE ANSWERS, 69 FILES SEARCHED IN STINDEX

L1 QUE ARRAY### (S) (POROUS OR PORE# OR CHANNEL###)

=> s L1 (s) (detect### or assay### or measur### or test### or screen###)

1 FILE ADISCTI
 2 FILE ADISINSIGHT
 51 FILE AGRICOLA
 361 FILE ANABSTR
 63 FILE ANTE
 24 FILE AQUALINE
 218 FILE AQUASCI
 296 FILE BIOENG
 159 FILE BIOSIS
 471 FILE BIOTECHABS
 471 FILE BIOTECHDS
 130 FILE BIOTECHNO

13 FILES SEARCHED...

119 FILE CABA
 862 FILE CAPLUS
 66 FILE CEABA-VTB
 1 FILE CIN
 7 FILE CONFSCI
 6 FILE CROPU
 10 FILE DDFU
 2837 FILE DGENE

23 FILES SEARCHED...

487 FILE DISSABS
 25 FILE DRUGU
 3 FILE EMBAL
 140 FILE EMBASE
 553 FILE ESBIODASE
 7 FILE FROSTI
 14 FILE FSTA
 6 FILE GENBANK
 5 FILE HEALSAFE
 4570 FILE IFIPAT

37 FILES SEARCHED...

3 FILE IMSDRUGNEWS
 3 FILE IMSRESEARCH
 5 FILE KOSMET
 281 FILE LIFESCI
 141 FILE MEDLINE
 754 FILE NTIS
 96 FILE OCEAN

```

2051 FILE PASCAL
47 FILES SEARCHED...
    1 FILE PHAR
    13 FILE PHIN
    1249 FILE PROMT
    15 FILE RDISCLOSURE
    526 FILE SCISEARCH
    58 FILE TOXCENTER
    141 FILE USGENE
    18363 FILE USPATFULL
61 FILES SEARCHED...
    373 FILE USPATOLD
    3919 FILE USPAT2
    4 FILE VETU
    78 FILE WATER
    1470 FILE WPIDS
    53 FILE WPIFV
    1470 FILE WPINDEX

53 FILES HAVE ONE OR MORE ANSWERS,    69 FILES SEARCHED IN STINDEX

L2  QUE L1 (S) (DETECT### OR ASSAY### OR MEASUR### OR TEST### OR SCREEN###)

=> s L2 (s) immobiliz###
    3 FILE AGRICOLA
    24 FILE ANABSTR
    1 FILE ANTE
    1 FILE AQUASCI
    17 FILE BIOENG
    1 FILE BIOSIS
    114 FILE BIOTECHABS
    114 FILE BIOTECHDS
    14 FILE BIOTECHNO
13 FILES SEARCHED...
    5 FILE CABA
    10 FILE CAPLUS
    2 FILE CEABA-VTB
    124 FILE DGENE
23 FILES SEARCHED...
    7 FILE DISSABS
    1 FILE EMBASE
    23 FILE ESBIOBASE
    2 FILE FROSTI
    4 FILE FSTA
    114 FILE IFIPAT
    2 FILE IMSDRUGNEWS
    1 FILE IMSRESEARCH
    14 FILE LIFESCI
42 FILES SEARCHED...
    2 FILE NTIS
    1 FILE OCEAN
    33 FILE PASCAL
47 FILES SEARCHED...
    4 FILE PROMT
    1 FILE SCISEARCH
    1 FILE TOXCENTER
    114 FILE USGENE
    513 FILE USPATFULL
    84 FILE USPAT2
    1 FILE WATER
66 FILES SEARCHED...

```

```

61 FILE WPIDS
1 FILE WPIFV
61 FILE WPINDEX

```

35 FILES HAVE ONE OR MORE ANSWERS, 69 FILES SEARCHED IN STINDEX

L3 QUE L2 (S) IMMOBILIZ###

```

=> s L3 (s) cell####
      5 FILE ANABSTR
      1 FILE AQUASCI
      4 FILE BIOENG
      55 FILE BIOTECHABS
      55 FILE BIOTECHDS
12 FILES SEARCHED...
      5 FILE BIOTECHNO
      2 FILE CABA
      1 FILE CAPLUS
19 FILES SEARCHED...
      18 FILE DGENE
23 FILES SEARCHED...
      1 FILE DISSABS
      10 FILE ESBIODASE
30 FILES SEARCHED...
      1 FILE FROSTI
      1 FILE FSTA
      38 FILE IFIPAT
      3 FILE LIFESCI
      1 FILE OCEAN
      7 FILE PASCAL
47 FILES SEARCHED...
      1 FILE PROMT
      125 FILE USPATFULL
      19 FILE USPAT2
63 FILES SEARCHED...
      24 FILE WPIDS
      1 FILE WPIFV
      24 FILE WPINDEX

```

23 FILES HAVE ONE OR MORE ANSWERS, 69 FILES SEARCHED IN STINDEX

L4 QUE L3 (S) CELL####

```

=> s L4 and ((meta### (2a) oxide) or piezo))
UNMATCHED RIGHT PARENTHESIS 'PIEZO))'

```

The number of right parentheses in a query must be equal to the number of left parentheses.

```

=> s L4 and ((meta### (2a) oxide) or piezo)
      5 FILE BIOTECHABS
      5 FILE BIOTECHDS
12 FILES SEARCHED...
19 FILES SEARCHED...
23 FILES SEARCHED...
30 FILES SEARCHED...
      2 FILE IFIPAT
44 FILES SEARCHED...
47 FILES SEARCHED...
      35 FILE USPATFULL
61 FILES SEARCHED...
      6 FILE USPAT2

```

5 FILE WPIDS
5 FILE WPINDEX

7 FILES HAVE ONE OR MORE ANSWERS, 69 FILES SEARCHED IN STINDEX

L5 QUE L4 AND ((META### (2A) OXIDE) OR PIEZO)

=> d rank

F1	35	USPATFULL
F2	6	USPAT2
F3	5	BIOTECHABS
F4	5	BIOTECHDS
F5	5	WPIDS
F6	5	WPINDEX
F7	2	IFIPAT

=> fil fl-f7

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

16.90

17.11

FILE 'USPATFULL' ENTERED AT 14:48:07 ON 06 MAY 2008
CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 14:48:07 ON 06 MAY 2008
CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BIOTECHABS' ACCESS NOT AUTHORIZED

FILE 'BIOTECHDS' ENTERED AT 14:48:07 ON 06 MAY 2008
COPYRIGHT (C) 2008 THE THOMSON CORPORATION

FILE 'WPIDS' ENTERED AT 14:48:07 ON 06 MAY 2008
COPYRIGHT (C) 2008 THE THOMSON CORPORATION

FILE 'WPINDEX' ACCESS NOT AUTHORIZED

FILE 'IFIPAT' ENTERED AT 14:48:07 ON 06 MAY 2008
COPYRIGHT (C) 2008 IFI CLAIMS(R) Patent Services (IFI)

=> s L5

L6 53 L5

=> dup rem L6

PROCESSING COMPLETED FOR L6

L7 43 DUP REM L6 (10 DUPLICATES REMOVED)

=> s L7 not py>2003

L8 11 L7 NOT PY>2003

=> d L8 ibib abs 1-11

L8 ANSWER 1 OF 11 USPATFULL on STN

ACCESSION NUMBER: 2003:302797 USPATFULL <<LOGINID::20080506>>

TITLE: Method of preparing a sensor array

INVENTOR(S): McDevitt, John T., Travis, TX, United States

Anslyn, Eric V., Austin, TX, United States

Shear, Jason B., Austin, TX, United States

Neikirk, Dean P., Travis, TX, United States

PATENT ASSIGNEE(S): Board of Regents, The University of Texas Systems,

Austin, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6649403	B1	20031118
APPLICATION INFO.:	US 2001-775353		20010131 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179369P	20000131 (60)
	US 2000-179424P	20000131 (60)
	US 2000-179294P	20000131 (60)
	US 2000-179380P	20000131 (60)
	US 2000-179292P	20000131 (60)
	US 2000-179293P	20000131 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Ponnaluri, Padmashri	
ASSISTANT EXAMINER:	Tran, My Chau	
LEGAL REPRESENTATIVE:	Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C., Meyertons, Eric B.	
NUMBER OF CLAIMS:	28	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	160 Drawing Figure(s); 87 Drawing Page(s)	
LINE COUNT:	7309	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

AB A system for the rapid characterization of multi-analyte fluids, in one embodiment, includes a light source, a sensor array, and a detector. The sensor array is formed from a supporting member into which a plurality of cavities may be formed. A series of chemically sensitive particles are, in one embodiment positioned within the cavities. The particles may be configured to produce a signal when a receptor coupled to the particle interacts with the analyte. Using pattern recognition techniques, the analytes within a multi-analyte fluid may be characterized.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 2 OF 11 USPATFULL on STN
ACCESSION NUMBER: 2003:209960 USPATFULL <<LOGINID::20080506>>
TITLE: Detection system based on an analyte reactive particle
INVENTOR(S): McDevitt, John T., Austin, TX, United States
Anslyn, Eric V., Austin, TX, United States
Shear, Jason B., Austin, TX, United States
Neikirk, Dean P., Austin, TX, United States
PATENT ASSIGNEE(S): The University of Texas System, Austin, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6602702	B1	20030805
APPLICATION INFO.:	US 2000-616355		20000714 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-144436P	19990716 (60)
	US 1999-144435P	19990716 (60)
	US 1999-144126P	19990716 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Beisner, William H.	

LEGAL REPRESENTATIVE: Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C.,
Meyertons, Eric B.

NUMBER OF CLAIMS: 61

EXEMPLARY CLAIM: 1,32

NUMBER OF DRAWINGS: 132 Drawing Figure(s); 69 Drawing Page(s)

LINE COUNT: 5110

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A system for the rapid characterization of multi-analyte fluids, in one embodiment, includes a light source, a sensor array, and a detector. The sensor array is formed from a supporting member into which a plurality of cavities may be formed. A series of chemically sensitive particles are, in one embodiment positioned within the cavities. The particles may be configured to produce a signal when a receptor coupled to the particle interacts with the analyte. Using pattern recognition techniques, the analytes within a multi-analyte fluid may be characterized.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 3 OF 11 USPATFULL on SIN

ACCESSION NUMBER: 2003:183998 USPATFULL <<LOGINID::20080506>>

TITLE: General signaling protocol for chemical receptors in immobilized matrices

INVENTOR(S): McDevitt, John T., Austin, TX, United States

Anslyn, Eric V., Austin, TX, United States

Shear, Jason B., Austin, TX, United States

Neikirk, Dean P., Austin, TX, United States

PATENT ASSIGNEE(S): Board of Regents, The University of Texas System,
Austin, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6589779	B1	20030708
APPLICATION INFO.:	US 2000-616482		20000714 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-144436P	19990716 (60)
	US 1999-144435P	19990716 (60)
	US 1999-144126P	19990716 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: GRANTED

PRIMARY EXAMINER: Redding, David A.

LEGAL REPRESENTATIVE: Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C.,
Meyertons, Eric B.

NUMBER OF CLAIMS: 45

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 132 Drawing Figure(s); 69 Drawing Page(s)

LINE COUNT: 5023

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A system for the rapid characterization of multi-analyte fluids, in one embodiment, includes a light source, a sensor array, and a detector. The sensor array is formed from a supporting member into which a plurality of cavities may be formed. A series of chemically sensitive particles are, in one embodiment positioned within the cavities. The particles may be configured to produce a signal when a receptor coupled to the particle interacts with the analyte. Using pattern recognition techniques, the analytes within a multi-analyte fluid may be characterized.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 4 OF 11 USPATFULL on STN
 ACCESSION NUMBER: 2003:143469 USPATFULL <<LOGINID::20080506>>
 TITLE: Arrangement for surface plasmon resonance spectroscopy
 Hoppe, Lutz, Jena, GERMANY, FEDERAL REPUBLIC OF
 INVENTOR(S): Pfeifer, Peter, Jena, GERMANY, FEDERAL REPUBLIC OF
 Schwotzer, Gunter, Dorndorf-Steudnitz, GERMANY, FEDERAL
 REPUBLIC OF
 PATENT ASSIGNEE(S): Institut Fuer Physikalische Hochtechnologe e.V.,
 Jena, GERMANY, FEDERAL REPUBLIC OF (non-U.S.
 corporation)
 ANALYTIK Jena GmbH Analysenmessgeraete und
 Laboreinrichtungen, Jena, GERMANY, FEDERAL REPUBLIC OF
 (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6570657	B1	20030527
	WO 2000022419		20000420
APPLICATION INFO.:	US 2000-600669		20000720 (9)
	WO 1999-EP2353		19990406

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1998-19814811	19980402
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Rosenberger, Richard A.	
LEGAL REPRESENTATIVE:	Jordan and Hamburg LLP	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 4 Drawing Page(s)	
LINE COUNT:	491	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Surface plasmon resonance spectroscopy device includes an optical prism with a sample cell associated therewith and at least two sample detection areas that are provided with a thin metal coating selected for implementation of the SPR method and which contains, at least partially, surface-immobilized areas. Light is conducted via an optic fiber, collimated by a collimator with an aperture to a base surface of the prism, applied to an entrance of the optical prism. A multi adaptable diaphragm is provided between the collimator and the entrance surface. The diaphragm defines a path to the prism in a chronologically successive manner. Switching states are allocated to spectra corresponding to the switching states, whereby the spectra are obtained by detecting the light that leaves the prism through another collimator connected to another optic fiber applied to a polychromator wherein spectrally decomposed light is detected and evaluated by an evaluation and control unit.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 5 OF 11 USPATFULL on STN
 ACCESSION NUMBER: 2003:93063 USPATFULL <<LOGINID::20080506>>
 TITLE: Method and system for collecting and transmitting
 chemical information
 INVENTOR(S): McDevitt, John T., Austin, TX, UNITED STATES
 Anslyn, Eric V., Austin, TX, UNITED STATES
 Shear, Jason B., Austin, TX, UNITED STATES
 Neikirk, Dean P., Austin, TX, UNITED STATES

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2003064422	A1	20030403	
APPLICATION INFO.:	US 2001-775340	A1	20010131	(9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179369P	20000131 (60)
	US 2000-179424P	20000131 (60)
	US 2000-179294P	20000131 (60)
	US 2000-179380P	20000131 (60)
	US 2000-179292P	20000131 (60)
	US 2000-179293P	20000131 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	ERIC B. MEYERTONS, CONLEY, ROSE & TAYON, P.C., P.O. BOX 398, AUSTIN, TX, 78767-0398	
NUMBER OF CLAIMS:	415	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	87 Drawing Page(s)	
LINE COUNT:	9258	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A system for the rapid characterization of multi-analyte fluids, in one embodiment, includes a light source, a sensor array, and a detector. The sensor array is formed from a supporting member into which a plurality of cavities may be formed. A series of chemically sensitive particles are, in one embodiment positioned within the cavities. The particles may be configured to produce a signal when a receptor coupled to the particle interacts with the analyte. Using pattern recognition techniques, the analytes within a multi-analyte fluid may be characterized.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 6 OF 11 USPATFULL on STN
 ACCESSION NUMBER: 2003:37709 USPATFULL <<LOGINID::20080506>>
 TITLE: Device for the analysis of chemical or biochemical specimens, comparative analysis, and associated analysis process
 INVENTOR(S): Geli, Francois, Lyon, FRANCE

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2003027354	A1	20030206	
APPLICATION INFO.:	US 2002-164423	A1	20020610	(10)

	NUMBER	DATE
PRIORITY INFORMATION:	FR 2001-7537	20010608
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	YOUNG & THOMPSON, 745 SOUTH 23RD STREET 2ND FLOOR, ARLINGTON, VA, 22202	
NUMBER OF CLAIMS:	25	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	14 Drawing Page(s)	
LINE COUNT:	3286	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A device for the chemical or biochemical analysis of biological or chemical samples, notably for a comparative analysis of at least two samples, comprises multiple fractionation micro-columns 2 for the

fractionation of sample components, each fractionation micro-column 2 comprising at least a micro-channel 3 segment fitted with intermediate separation means, the micro-channel 3 segment comprising an inlet 3a for the introduction of a sample-enriched mobile phase and an outlet 3b for the evacuation of the fluids and situated at a terminal extremity. The device comprises also capture fluidic means 7 of the fractionated products which are located at a terminal element 9 of each fractionation micro-columns 2 and upstream from the evacuation outlet 3b, capture micro-channels 8 which are used to collect the captured fractionation products and groups of selective micro-cantilevers 13 which are associated with the fractionation micro-columns 2 and situated downstream from the capture micro-channels 8, a micro-cantilever 13 being fitted with detection means which are associated with analytical means.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 7 OF 11 USPATFULL on STN
 ACCESSION NUMBER: 2002:343930 USPATFULL <<LOGINID::20080506>>
 TITLE: Cell arrays and the uses thereof
 INVENTOR(S): Li, Ronghao, La Jolla, CA, UNITED STATES
 Mather, Jennie P., Millbrae, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002197656	A1	20021226
APPLICATION INFO.:	US 2002-192273	A1	20020709 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2001-947238, filed on 5 Sep 2001, PENDING Continuation-in-part of Ser. No. US 1999-466011, filed on 17 Dec 1999, GRANTED, Pat. No. US 6406840		

	NUMBER	DATE
PRIORITY INFORMATION:	WO 2000-US34010	20001215
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Terri M. Shieh-Newton, Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA, 94304-1018	
NUMBER OF CLAIMS:	25	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Page(s)	
LINE COUNT:	2171	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides cell arrays comprising a plurality of tube segments containing populations of immobilized cells. The arrays are particularly useful for conducting comparative cell-based analyses. Specifically, the subject arrays allow protein-protein interactions to be simultaneously studied in multiple types of cells. The arrays also support simultaneous detection of the differential expression of a target polynucleotide in a multiplicity of cell types derived from multiple subjects. The subject arrays further permit high throughput screening for candidate modulators of a signal transduction pathway of interest. Further provided by the invention are kits, computer-implemented methods and systems for conducting the comparative cell-based analyses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 8 OF 11 USPATFULL on STN
 ACCESSION NUMBER: 2002:343896 USPATFULL <<LOGINID::20080506>>

TITLE: Method and apparatus for the confinement of materials
in a micromachined chemical sensor array
INVENTOR(S): McDevitt, John T., Austin, TX, UNITED STATES
Anslyn, Eric V., Austin, TX, UNITED STATES
Shear, Jason B., Austin, TX, UNITED STATES
Neikirk, Dean P., Austin, TX, UNITED STATES
Park, Byunghwa, Austin, TX, UNITED STATES
Park, Yoon Sok, Austin, TX, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002197622	A1	20021226
APPLICATION INFO.:	US 2002-72800	A1	20020131 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-265776P	20010131 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	ERIC B. MEYERTONS, CONLEY, ROSE & TAYON, P.C., P.O. BOX 398, AUSTIN, TX, 78767-0398	
NUMBER OF CLAIMS:	459	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	92 Drawing Page(s)	
LINE COUNT:	9465	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

AB A system for the rapid characterization of multi-analyte fluids, in one embodiment, includes a light source, a sensor array, and a detector. The sensor array is formed from a supporting member into which a plurality of cavities may be formed. A series of chemically sensitive particles are, in one embodiment positioned within the cavities. The particles may produce a signal when a receptor coupled to the particle interacts with the analyte. Using pattern recognition techniques, the analytes within a multi-analyte fluid may be characterized. In an embodiment, each cavity of the plurality of cavities is designed to capture and contain a specific size particle. Flexible projections may be positioned over each of the cavities to provide retention of the particles in the cavities.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 9 OF 11 USPATFULL on SIN

ACCESSION NUMBER: 2002:287500 USPATFULL <<LOGINID::20080506>>
TITLE: Magnetic-based placement and retention of sensor elements in a sensor array
INVENTOR(S): McDevitt, John T., Austin, TX, UNITED STATES
Anslyn, Eric V., Austin, TX, UNITED STATES
Shear, Jason B., Austin, TX, UNITED STATES
Neikirk, Dean P., Austin, TX, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002160363	A1	20021031
APPLICATION INFO.:	US 2001-775342	A1	20010131 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	ERIC B. MEYERTONS, CONLEY, ROSE & TAYON, P.C., P.O. BOX 398, AUSTIN, TX, 78767-0398		
NUMBER OF CLAIMS:	377		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	88 Drawing Page(s)		
LINE COUNT:	9016		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A system for the rapid characterization of multi-analyte fluids, in one embodiment, includes a light source, a sensor array, and a detector. The sensor array is formed from a supporting member into which a plurality of cavities may be formed. A series of chemically sensitive particles are, in one embodiment positioned within the cavities. The particles may be configured to produce a signal when a receptor coupled to the particle interacts with the analyte. Using pattern recognition techniques, the analytes within a multi-analyte fluid may be characterized.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 10 OF 11 USPATFULL ON STN

ACCESSION NUMBER: 2002:144066 USPATFULL <<LOGINID::20080506>>
TITLE: Cell arrays and the uses thereof
INVENTOR(S): Li, Ronghao, La Jolla, CA, United States
Mather, Jennie P., Millbrae, CA, United States
PATENT ASSIGNEE(S): bioMosaic Systems, Inc., South San Francisco, CA,
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6406840	B1	20020618
APPLICATION INFO.:	US 1999-466011		19991217 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Brusca, John S.		
LEGAL REPRESENTATIVE:	Morrison & Foerster LLP		
NUMBER OF CLAIMS:	24		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	1942		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides cell arrays comprising a plurality of tubes containing populations of cells that are immobilized therein. The arrays are particularly useful for conducting comparative cell-based analyses. Specifically, the subject arrays allow protein-protein interactions to be studied in multiple types of cell simultaneously. The arrays also support simultaneous detection of the differential expression of a target polynucleotide in a multiplicity of cell types derived from multiple subjects. The subject arrays further permit high throughput screening for candidate modulators of a signal transduction pathway of interest. Further provided by the invention are kits, computer-implemented methods and systems for conducting the comparative cell-based analyses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 11 OF 11 USPATFULL ON STN

ACCESSION NUMBER: 2001:33072 USPATFULL <<LOGINID::20080506>>
TITLE: Vascularized perfused microtissue/micro-organ arrays
INVENTOR(S): Griffith, Linda G., Cambridge, MA, United States
Tannenbaum, Steven, Framingham, MA, United States
Powers, Mark J., Cambridge, MA, United States
Domansky, Karel, Cambridge, MA, United States
Thompson, Charles D., Cambridge, MA, United States
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AB Systems including (1) a micromatrix and perfusion assembly suitable for seeding and attachment of cells within the matrix and for morphogenesis of seeded cells into complex, hierarchical tissue or organ structures, wherein the matrix includes channels or vessels through which culture medium, oxygen, or other nutrient or body fluids can be perfused while controlling gradients of nutrients and exogenous metabolites throughout the perfusion path independently of perfusion rate, and (2) sensor means for detecting changes in either cells within the matrix or in materials exposed to the cells, have been developed. Methods for making the micromatrices include micromachining, micromolding, embossing, laser drilling, and electro deposition machining. Cells can be of one or more types, either differentiated or undifferentiated. In a preferred embodiment, the matrix is seeded with a mixture of cells including endothelial cells which will line the channels to form "blood vessels", and at least one type of parenchymal cells, such as hepatocytes, pancreatic cells, or other organ cells. The system can be used to screen materials for an effect on the cells, for an effect of the cells on the materials (for example, in a manner equivalent to tissue metabolism of a drug), or to test a material on a biological that must first infect cells or tissues, such as viruses. The apparatus also can be used to provide a physiological environment for expansion of stem cells, or for enabling gene therapy in vitro.

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